

UMASS/AMHERST

  
312066 0362 9011 0Active Federal Aid Projects, Studies (Work Plans),  
Jobs and Items Under the Federal Aid Program as of 1 July 1991Dingell-Johnson (D-J) ProjectsF-34-D - Statewide Fisheries Development -renews 1 July; current segment year No. 24, \$ 1,100,000  
(825,000 Federal share); current AFA expires 30 June 1996.Activity Code No.

Work Item No. 1 -	Hatchery general repairs	109
Work Item No. 2 -	Access improvement of selected streams	101
Work Item No. 3 -	Access improvement of selected ponds	101
Work Item No. 4 -	Maintain boat ramp facilities at selected ponds	103
Work Item No. 5 -	Stream improvement at selected streams and structures installed in four ponds	101
Work Item No. 6 -	Special regulations and unique fisheries signs	110
Work Item No. 7 -	Investigation of fish kills	112
Work Item No. 8 -	Production of landlocked salmon, northern pike and brown trout (for coastal streams)	108 107 113

F-44-R - Fisheries Survey and Inventoryrenews 1 July; current segment year No. 13, \$ 466,000  
(349,500 Federal share); current AFA expires 30 June 1994.Study I - Quabbin Reservoir Investigations

Job 1 -	Smelt Stock Assessment	201
Job 4 -	Creel Survey of Quabbin Reservoir	202



Study II - Biological Survey of Lakes, Ponds, Rivers and Brooks

Job 1 -	Biological Survey of Lakes and Ponds	203
Job 2 -	Biolgoical Survey of Rivers and Brooks	204

Study III - Sociological Survey of Lakes, Ponds, Rivers and Brooks

Job 1 -	Statewide Creel Survey of Inland Fisheries	205
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Study VI - Chemical Survey of Inland Waters

Job 1 -	Chemical Survey of Inland Waters	214
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F-45-R - Anadromous Fish Investigations -

renews 1 July; current segment year No. 10, \$300,000  
(225,000 Federal share), current AFA expires 30 June 1992

Study I - Connecticut River Anadromous Fish Investigations

Massachusetts Division of Fisheries and Wildlife

Job 3 - Connecticut River Technical Assistance	301
Job 10 - Rearing Atlantic Salmon at Reed Hatchery	313

Massachusetts Cooperative Fishery Research Unit

Job 1 - Holyoke Fish Passage Facility	305
Job 2 - Turners Falls Fish Passage Facility	306
Job 4 - Shad Harvest - Holyoke	314
Job 13 - Atlantic Salmon Habitat Estimation	304

Study II - Merrimack River Anadromous Fish Investigations

Massachusetts Division of Fisheries and Wildlife

Job 1 - Essex Dam Fish Passage Facility	308
Job 2 - Pawtucket Dam Fish Passage Facility	312
Job 3 - Merrimack River Technical Assistance	309

F-46-L - Supplemental Fisheries Land and Access Acquisition -  
current AFA expires 31 December 1993.

No currently active segments.



F-47-E - Aquatic Resources Education Project -

renews 1 July; current segment year No. 6, \$264,000  
(198,000 Federal share); current AFA expires 30 June 1996; includes  
\$104,000 (78,000 Federal share) for the Division of Marine  
Fisheries (DMF).

Study I - Outreach and Public Involvement

Job 1 - Administration	70
Job 2 - Volunteer Training and Motivation	71
Job 3a - Production of Educational Material	72
Job 3b - Project WILD Supplies	75
Job 4 - Public Appearances and Displays	73
Job 5 - Production of Education Material (DMF)	74
Job 6 - Youth Education in Conservation and Marine Recreational Fishing (DMF)	76

Study II - Merrimack River Watershed Education Program

Job 1 - Recruitment/Teacher Training	77
Job 2 - Data Gathering, Student Congress	78

Study III - Assessment of Program Needs

Job 1 - Needs Assessment	79
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F-48-R - (DMF) Marine Recreational Fisheries Survey -

renews 1 January; current segment year No. 5, \$128,000  
(96,000 Federal share); current AFA expires 31 December 1991

Job 1 - Intercept Survey	1001
Job 3 - Data Processing and Report Preparation	1003
Job 6 - Data Consolidation and Report	1006

F-49-T - (DMF) Technical Assistance in Marine Recreational  
Fisheries Management -

renews 1 January; current segment year No. 5, \$300,000  
(225,000 Federal share); current AFA expires 31 December  
1991.

Job 1 - Technical Assistance to Recreational Fisheries Management Agencies	1201
Job 2 - Technical Assistance to Environmental, Health and Access Agencies	1202



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Job 3 - Technical Assistance to Private Sector Agencies	1203
Job 4 - Technical Assistance to Administration	1204

F-50-D - Massachusetts Recreational Boating Accomodation Project

Segments activated as acquisitions and/or developments occur. Current segment No. 2 - Development of Access Facility at Back River, Weymouth, \$360,000 (\$270,000 Federal share)	1102
Current Segment No. 3 - Development of Access Facility at Cole's River, Swansea, \$260,000 (\$195,000 Federal share); current AFA expires 31 December 1991.	1103

F-55-R - Winter Flounder Management Plan Development -  
renews 1 September; current segment year No. 2, \$45,000  
(\$33,750 Federal share); current AFA expires 31 August 1991

Job 1 - Winter Flounder Management Plan Development	1211
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F-56-R - (DMF) Massachusetts Fishery Resource Assessment  
renews 1 January; current segment year No. 1, \$249,000  
(\$186,750 Federal share); current AFA expires 31 December 1994

Job 1 - Fishery Resource Assessment, Coastal Massachusetts	1221
Job 2 - Winter Flound Year-Class Strength	1222

F-100-R - Connecticut River Basin Anadromous Fish Restoration, Coordination and Technical Assistance  
renews 1 October; current segment year No. 8, \$5,000  
(\$3,750 Federal share); current AFA expires 30 September 1992. Coordinator is an employee of the U. S. Fish and Wildlife Service.

Study I - Coordination and Technical Assistance

Job 1 - Coordination and Technical Assistance	300
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F-102-R - Cooperative Striped Bass Research, Coordination and Planning  
renews 1 July 1991; current segment year No. 2, \$10,000  
(\$7,500 Federal share); current AFA expires 30 June 1993.

Job 1 - Organization of Monitoring and Stock Assessment Workshops	1240
Job 2 - Integration of Findings into Management Planning	1241
Job 3 - Coordination and Administration of Management Planning	1242

F - L - Land Acquisition, Rivers and Streams  
inactive; may be activated at discretion of Division administration

Pittman-Robertson (P-R) Projects

W-9-D - Statewide Wildlife Development -  
renews 1 July; current segment year No. 44, \$ 600,000  
(\$450,000 Federal share); current AFA expires 30 June 1995.

Activity Code No.

Work Item No. 1 - Buildings	601
Work Item No. 2 - Dams and Dikes	602
Work Item No. 4 - Bridges	603
Work Item No. 5 - Roads and Trails	604
Work Item No. 8 - Public Use Facilities	606
Work Item No. 11 - Signs and Boundary Markers	607
Work Item No. 12 - Tree and Shrub Plantings	608
Work Item No. 13 - Herbaceous Seeding	609
Work Item No. 15 - Vegetation Control	611
Work Item No. 21 - Timber Management; includes forest/wildlife planning - (MCWRU)	612
Work Item No. 22 - Nest Structures	614
Work Item No. 28 - Water Level Management	615



Work Item No. 29 - Project Administration	616
Work Item No. 30 - Managed Public Hunts	617
Work Item No. 31 - Custodial Functions	618
Work Item No. 34 - Miscellaneous Approved Activities, including 34a - Equipment Repairs and Maintenance; 34b - Release and Prune Apple Trees; 34c - Gate repair	619 620 621

W-35-R - Game Population Trend and Harvest Survey

renews 1 July; current segment year No. 34, \$466,000  
(\$349,500 Federal share); current AFA expires 30 June 1995

Study I - Statewide Game Harvest-

Job 2 - Statewide Beaver Harvest	702
Job 6 - Statewide Otter Investigations	703
Job 7 - Bobcat Harvest and Evaluation	704
Job 8 - Coyote Investigations and Harvest Survey	705
Job 11 - Statewide Furbearer Tallies	706
Job 13 - Furbearer Population Models (MCWRU)	728
Job 14 - Fisher Harvests	729
Job 15 - Fox Harvest Investigations	730
Job 16 - Furbearer Management Surveys	731
Job 17 - Mink Harvests Investigations	732

Study II - Massachusetts White-tailed Deer Study

Job 1 - Statewide Deer Harvest	707
Job 2 - Non-hunting Deer Mortality	708
Job 3 - Deer Fertility Studies	740
Job 4 - Deer Management Recommendations	709
Job 7 - Deer Habitat Evaluation	721
Job 8 - Movements and Habitat Use of White-tailed Deer Fawns in Western Massachusetts (MCWRU)	722
Job 9 - Mortality of White-tailed Deer Fawns in Western Massachusetts (MCWRU)	723

Study III - Census and Banding of Game Birds and Mammals

Job 1 - Mourning Dove Census	710
Job 2 - Bobwhite Quail Census	711
Job 3 - Woodcock Census	712

Study IV - Wild Turkey Restoration Study

Job 3 - Turkey Range and Harvest Evaluation	713
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Study VI - Black Bear Study

Job 1 -	Black Bear Distribution and Harvest Investigations	715
Job 6 -	Response of Bears to Habitat and Land Use Changes (MCWRU)	733

Study VII - Trap Study Evaluation

Job 2 -	Trap Standards Committee	734
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Study XXIII - New England Cottontail Restoration

Job 1 -	Trap and Transplant of New England Cottontails	717
Job 2 -	Cottontail Distribution and Harvest	739

Study XXV - Furbearer Habitat Research

Job 1 -	Wetland/Beaver Complex Management	735
Job 2 -	Important Furbearer Habitat Investigation	736

Study XXVI - Investigation in Reduction of Wildlife/Human Conflicts

Job 1 -	Wildlife Predation on Domestic Stock	737
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Study XXVII - Investigations of Wildlife Pathogens and Epizootics

Job 1 -	Investigation of Parasitic, Viral and Bacterial Agents	738
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W-40-R - Cooperative Waterfowl Banding Project -

renews 1 January; current segment No. 27, \$ 6,500  
(\$4,875 Federal share); current AFA expires 31 December 1995 851

W-42-R - Massachusetts Waterfowl Research Program

renews 1 April; current segment year No. 25, \$192,000  
(\$144,000 Federal share), current AFA expires 31 March 1995

Study II - Coastal and Inland Waterfowl Banding

Job 3 -	Preseason Banding	802
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Study IV - Wood Duck Population Study

Job 8 -	Wood Duck Production Survey	805
Job 9 -	Experimental Box for Low-use Areas	820



Study VIII - Waterfowl Inventory Flights

Job 1 - Waterfowl Inventory Flights 806

Study IX - Atlantic Waterfowl Council Activities

Job 1 - Atlantic Waterfowl Council Activities 808  
Job 2 - Atlantic Waterfowl Council Special Projects 813

Study XII - Massachusetts Experimental Waterfowl Season

Job 2 - Evaluation of Zoned Experimental Waterfowl Seasons 809  
Job 3 - Experimental Black Duck Harvest Restrictions 815

Study XVI - Waterfowl Production Study

Job 2 - Mallard-Black Duck Breeding Survey - pilot study 821  
Job 3 - Mallard-Black Duck Productivity 827

Study XVII - Project Administration

Job 1 - Project Administration 810

Study XVIII - Canada Goose Population Study

Job 1 - Canada Goose Parts Collection Survey 811  
Job 2 - Canada Goose Banding 816  
Job 5 - Canada Goose Migration Survey 819  
Job 6 - Late Season Goose Harvests 822

Study XIX - North American Waterfowl Management Plan

Job 1 - Habitat Venture 824  
Job 2 - Black Duck Venture 825  
Job 3 - Sea Duck Venture 826

W-43-D - Hunter Education Training Center Development

renews 1 January; current segment year No. 7, \$144,000  
(\$108,000 Federal share); current AFA expires 31 December 1994

Work Plan I - Renovate the Main Building

Job 5 - Install Janitorial Services Contract  
Job 8 - Repair Plumbing and Refurbish Lavatory System



- Job 9 - Install Office Equipment, Copy Machine, Dark Room and Laboratories  
a. Copy Machine Rental  
b. Purchase Computer
- Job 12 - Install Security System  
a. Intruder Detection System  
c. Intruder Detection System on Firearms Vault

Work Plan II - Recondition the Dormitory Building

- Job 1 - Upgrade Heating System  
a. Install New Hot Water Heater  
b. Other Plumbing and Heating
- Job 2 - Repair Roof, Gutters and Windows
- Job 3 - Repair and Upgrade Lavatory and Shower System
- Job 5 - Conform with Safety Codes  
b. Update Electrical Wiring and Heating System

Work Plan III - Improve Accessibility of Training Center

- Job 1 - Repair and Recondition Access Road
- Job 2 - Post Directional Signs to Center

Work Plan IV - Instruction and Improvement in Use of Hunting Weaponry

- Job 1 - Small-bore Rifle Range - inactive
- Job 2 - Trap Range Development - inactive
- Job 3 - Archery Range Complex Development - inactive
- Job 4 - Simulated Hunting Experience Development

W-43-S - Hunter Education Program

renews 1 July; current segment year No. 21, \$440,000  
(\$330,000 Federal share); current AFA expires 30 June 1992

- Job 1-1 - Administration, Statewide
- Job 1-2 - Staff Recruitment, Training and Region Evaluation
- Job 2 - Volunteer Instructor Recruitment, Training and Evaluation
- Job 3 - Student Recruitment, Training and Evaluation
- Job 4 - Public Awareness
- Job 5 - Training Facilities
- Job 6 - Advanced Training - Bowhunting; Black Powder; Trapping;  
Map, Compass and Survival; Waterfowl Identification; and  
steel shot



W-48-L - Supplemental Wildlife Land and Access Acquisition Project  
AFA effective 1 January 1989 and will expire 31 December  
1993; no currently active segments

Combined Pittman-Robertson and Dingell-Johnson (P-R/D-J) Projects

FW-2-C - Fish and Wildlife Federal Aid Program Administration 50  
renews 1 October; current segment year No. 15, \$96,000  
(\$72,000 Federal share); 50% P-R, 50% D-J; current AFA  
expires 30 September 1991

FW-9-T - Technical Assistance in Fisheries and Wildlife  
renews 1 January; current segment year No. 10; \$140,000  
(\$105,000 Federal share); 20% P-R, 80% D-J; current AFA  
expires 31 December 1993

Study I - Technical Assistance to Federal, Interstate and State 51  
Government Agencies

Job 1 - Technical Assistance to Federal, Interstate and State  
Government Agencies

Study II - Technical Assistance to Municipal or Town Conservation 52  
Commissions

Job 1 - Technical Assistance to Municipal or Town Conservation  
Commissions

Study III - Technical Assistance to Private Organizations or 53  
Individuals

Job 1 - Technical Assistance to Private Organizations or  
Individuals

E-1 - Natural Heritage and Endangered Species Program  
renews 1 January; current segment year No. 9, \$36,000  
(\$29,500 Federal share); current AFA expires 31 December 1995

Study VI - Investigations of Endangered Species, Candidate  
Endangered Species, etc.

Job 1 - Bog Turtle 529  
Job 2 - Banded Bog Skimmer 528  
Job 3 - Regal Fritillary 528



Study X - Plymouth Red-bellied Turtle Study

Job 1003 - Population Monitoring and Reconnaissance<sup>2</sup> 405

Study XII - Piping Plover Studies

Job 1201 - Piping Plover Management Inventory 403  
Job 1202 - Piping Plover Management Study<sup>3</sup> 404

Study XIII - American Burying Beetle Study

Job 1301 - American Burying Beetle Statewide Inventory 522

Study XIV - Roseate Tern Study

Job 1404 - Ram Island Management 521

Study XV - Sandplain Gerardia Study

Job 1501 - Sandplain Gerardia Census 524  
Job 1502 - Soil Scarification Experiment 525

Study XVI - Investigation of Endangered Tiger Beetle Species

Job 1601 - Puritan Tiger Beetle Investigations 523  
Job 1602 - Northeastern Beach Tiger Beetle Investigations 526

<sup>2</sup> Work includes \$5,000 contract with private investigator

<sup>3</sup> Work conducted under contract with Massachusetts Cooperative Wildlife Research Unit



Federal Funds Encumbered in Active Agreements as of 1 July 1991

	<u>Agreement Total Amount</u>	<u>Federal Share</u>
<u>Dingell-Johnson Program</u>		
DFW Fisheries Program	\$ 2,191,000	\$ 1,643,250
Marine Fisheries	\$ 836,000	\$ 627,000
Acess-DFW and DMF	<u>\$ 630,000</u>	<u>\$ 472,000</u>
DFW-Land Acquisition		
	\$ 3,657,000	\$ 2,742,750
<u>Pittman-Robertson Program</u>		
Hunter Education	\$ 584,000	\$ 438,000
Wildlife Management	<u>\$ 1,399,000</u>	<u>\$ 1,049,250</u>
	\$ 1,983,000	\$ 1,487,250
<u>Endangered Species Program</u>		
Endangered Species	\$ 36,000	\$ 29,500
Total amount of Federally- aided project agreements and Federal funds obligated as of 1 July 1991	\$ 5,676,000	\$ 4,259,500

Prepared by R. Stewart McCaig

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Federal Aid Program Administrator

Date: 8/7/91

APPROVED

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SUPERINTENDENT  
BUREAU WILDLIFE RESEARCH & MANAGEMENT  
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